EXOSC8 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	EXOSC8, Lysate
Full Product Name	Human EXOSC8 Protein Lysate
Product Gene Name	EXOSC8 lysate
Product Synonym Names	EXOSC8; bA421P11.3; CIP3; EAP2; OIP2; p9; PCH1C; RRP43; Rrp43p
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	32.4 kDa (299aa) confirmed by MALDI-TOF
OMIM	AL138706 Genomic DNA
3D Structure	ModBase 3D Structure for Q96B26
Related Product Information for EXOSC8 lysate	Human EXOSC8 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of EXOSC8 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EXOSC8 purchase	MBS8411308 is a lysate targeting EXOSC8. Also known as Human EXOSC8 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EXOSC8. It may not necessarily be applicable to this product.

NCBI GI #	31415882
NCBI GeneID	11340
NCBI Accession #	NP_852480
UniProt Primary Accession #	Q96B26
UniProt Secondary Accession #	O43480; Q5TBA5
UniProt Related Accession #	Q96B26
GenBank Nucleotide #	NM_181503
NCBI Official Full Name	exosome complex component RRP43
NCBI Official Synonym Full Names	exosome component 8
NCBI Official Symbol	EXOSC8
NCBI Official Synonym Symbols	p9; CIP3; EAP2; OIP2; PCH1C; RRP43; Rrp43p; bA421P11.3
UniProt Protein Name	Exosome complex component RRP43

UniProt Synonym Protein Names	Exosome component 8; Opa-interacting protein 2; OIP-2; Ribosomal RNA-processing protein 43; p9
Protein Family	Exosome complex component
UniProt Gene Name	EXOSC8
UniProt Synonym Gene Names	OIP2; RRP43; OIP-2
NCBI Protein Information	exosome complex component RRP43
NCBI Summary for EXOSC8	This gene encodes a 3'-5' exoribonuclease that specifically interacts with mRNAs containing AU-rich elements. The encoded protein is part of the exosome complex that is important for the degradation of numerous RNA species. A pseudogene of this gene is found on chromosome 6. [provided by RefSeq, Mar 2009]
UniProt Comments for EXOSC8	Non-catalytic component of the RNA exosome complex which has 3'->5' exoribonuclease activity and participates in a multitude of cellular RNA processing and degradation events. In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts (PROMPTs), and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. The RNA exosome may be involved in Ig class switch recombination (CSR) and/or Ig variable region somatic hypermutation (SHM) by targeting AICDA deamination activity to transcribed dsDNA substrates. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in degradation of histone mRNA. The catalytic inactive RNA exosome core complex of 9 subunits (Exo-9) is proposed to play a pivotal role in the binding and presentation of RNA for ribonucleolysis, and to serve as a scaffold for the association with catalytic subunits and accessory proteins or complexes. EXOSC8 binds to ARE-containing RNAs.
Research Articles on EXOSC8	**1.** Knock-down of rbm7, exosc8 and exosc3 in zebrafish showed a common pattern of defects in motor neurons and cerebellum. Our data indicate that impaired RNA metabolism may underlie the clinical phenotype by fine tuning gene expression which is essential for correct neuronal differentiation
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/lysate/exosc8/8411308